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PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

9+

Application Number

09/821,785

Filing Date

3/28/2001

First Named Inventor

Alvarez II et al.

Art Unit

2819

Examiner Name

Howard L. Williams

Attorney Docket Number

5143-01705 (40532-P001M8P2)

### ENCLOSURES (Check all that apply)



Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request



Information Disclosure Statement



Certified Copy of Priority Document(s)



Reply to Missing Parts/  
Incomplete Application



Reply to Missing Parts  
under 37 CFR 1.52 or 1.53



Drawing(s)



Licensing-related Papers



Petition



Petition to Convert to a



Provisional Application



Power of Attorney, Revocation



Change of Correspondence Address



Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_

Landscape Table on CD

Remarks



After Allowance Communication to TC



Appeal Communication to Board  
of Appeals and Interferences



Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)



Proprietary Information



Status Letter



Other Enclosure(s) (please identify  
below):

- 1) Postcard
- 2) PTO Form 8A
- 3) PTO Form 8B
- 4) Copies of cited references

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Winstead Sechrest & Minick P.C.

Signature

*Michael Adams*

Printed name

Michael P. Adams

Date

April 13, 2006

Reg. No.

34,763

### CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

*Michael Adams*

Typed or printed name

Michael P. Adams

Date

April 13, 2006

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APR 18 2006

PTO/SB/17 (10-04v2)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ ) 180.00

## Complete if Known

Application Number	09/821,785
Filing Date	3/28/2001
First Named Inventor	Alvarez II et al.
Examiner Name	Howard L. Williams
Art Unit	2819
Attorney Docket No.	5143-01705 (40532-P001M8P2)

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

23-2426

Winstead Sechrest &amp; Minick P.C.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ ) 0.00

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below		Fee Paid	
Total Claims		-20** =		X		=	
Independent Claims		-3** =		X		=	
Multiple Dependent							

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	88	2201	44	Independent claims in excess of 3	
1203	300	2203	150	Multiple dependent claim, if not paid	
1204	88	2204	44	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$ ) 0.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity | Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	430	2252	215	Extension for reply within second month	
1253	980	2253	490	Extension for reply within third month	
1254	1,530	2254	765	Extension for reply within fourth month	
1255	2,080	2255	1,040	Extension for reply within fifth month	
1401	340	2401	170	Notice of Appeal	
1402	340	2402	170	Filing a brief in support of an appeal	
1403	300	2403	150	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,370	2453	685	Petition to revive - unintentional	
1501	1,370	2501	685	Utility issue fee (or reissue)	
1502	490	2502	245	Design issue fee	
1503	660	2503	330	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 180.00

## SUBMITTED BY

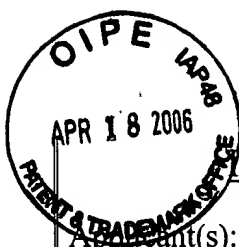
(Complete if applicable)

Name (Print/Type)	Michael P. Adams	Registration No. (Attorney/Agent)	34,763	Telephone	512.370.2858
Signature		Date	April 13, 2006		

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Manuel J. Alvarez II; Peter Geiger; Thomas A. Dye  
Assignee: Quickshift, Inc.  
Title: System And Method For Performing Scalable Embedded Parallel Data Decompression  
Serial No.: 09/821,785 Filing Date: 3/28/2001  
Examiner: Howard L. Williams Group Art Unit: 2819  
Docket No.: 40532-P001M8P2 Conf. No.: 6571  
(f/k/a 5143-01705)

Dallas, Texas  
April 13, 2006

Mail Stop Amendment  
COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR § 1.97(c) WITH FEE

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the documents listed on the accompanying form(s) PTO-8A and 8B are called to the attention of the Examiner for the above patent application.

Citation of these documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;
2. a representation that a search has been made, other than as described above; or
3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

These documents include documents that were cited in patent(s) and/or patent application(s) related to the present patent application. The attached form(s), PTO-8A and 8B, provide a listing of patents, publications, or other information as required by 37 C.F.R. §

1.98(a)(1). A copy of each of the items identified on the attached forms, PTO-8A and 8B, are supplied herewith, except for the U.S. Patents and the pending patent applications, for which no copies are being submitted.

I have enclosed a firm check in the amount of \$180.00. If the fee has been calculated incorrectly, the Commissioner is hereby authorized to charge any insufficiency of payment of the following fees associated with this communication, or credit any overpayment, to Deposit Account No. 23-2426 (40532-P001M8P2) in the name of Winstead Sechrest & Minick P.C.


**A duplicate copy of this transmittal letter is enclosed.**



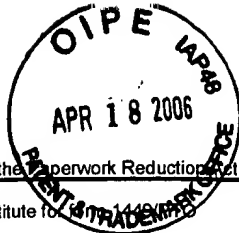
Michael P. Adams  
Attorney for Applicant(s)  
Reg. No. 34,763

**CERTIFICATION UNDER 37 C.F.R. § 1.8**

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Signature



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Substitute for Form 1449 (Rev. 11/99)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	09/821,785
Filing Date	3/28/2001
First Named Inventor	Alvarez et al.
Art Unit	2819
Examiner Name	Howard L. Williams
Attorney Docket Number	40532-P001M8P2 (5143-01705)

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 5,961,617	10/1999	Tsang	
		US- 5,539,865	7/1996	Gentile	
		US- 5,590,047	12/1996	Uehara	
		US- 5,493,698	2/1996	Suzuki et al.	
		US- 5,280,520	1/1994	Abe	
		US- 4,987,541	1/1991	Levente et al.	
		US- 2004/0017483	1/2004	Kitsugi et al.	
		US- 5,778,255	7/1998	Clark et al.	
		US- 6,333,745	12/25/2001	Shimomura et al.	
		US- 5,389,922	2/1995	Seroussi et al.	
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**FOREIGN PATENT DOCUMENTS**

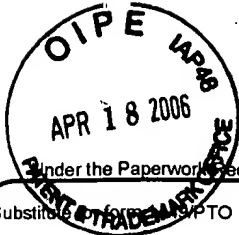
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
	B1	JP 05204747 A	8/1993	Oka et al.		
	B2	EP 0677927 A	10/18/1995	IBM		

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute Form for the USPTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	09/821,785
Filing Date	3/28/2001
First Named Inventor	Alvarez et al.
Art Unit	2819
Examiner Name	Howard L. Williams
Attorney Docket Number	40532-P001M8P2 (fka 5143-01705)

Sheet 1 of 1

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	Yabe et al., Compression/Decompression DRAM for Unified Memory Systems: A 16 Mb, 200MHz, 90% to 50% Graphics-Bandwidth Reduction Prototype, IEEE 1998 Solid-State Circuits Conference, Feb. 1998, pgs. 342-343.	
	C2	Kjelso et al., Design and Performance of a Main Memory Hardware Data Compressor, EuroMicro 96 Conference, IEEE, Sept. 1996, pgs. 423-430	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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